U.S. Fish & Wildlife Service

2012 "VOLUNTEERS WORKING WITH INVASIVES" GRANTS REPORT FORM

Display Report

PROJECT BACKGROUND INFORMATION

Project Title:	High Desert Shrub-steppe Ecosystem Restoration on the Sheldon and Hart Mountain National Wildlife Refuges	
Region: **Use region number ONLY**	1	
Station:	Hart Mountain and Sheldon NWR's	
Contact Person: Name and Phone Number	Jeff Mackay, 541-947-2731	
Project Description: (Up to 250 words)	The objective of the project was to survey up to 5,000 acres and treat common invasive plants on 500 acres in high priority habitats on both refuges.	
List of Invasives Species Targeted:	**Common Name**	***Scientific Name***
	Canada thistle	*Cirsium arvense*
	Scotch thistle	*Onopordum acanthium*
	Bull thistle	*Cirsium vulgare*
	Perennial pepperweed	*Lepidium latifolium*
	Whitetop (hoary cress)	*Lepidium draba*
	Mediterranean sage	*Salvia aethiopis*
	Cheatgrass	*Bromus tectorum*
Project Status:	Completed	
Project Completion Date or Estimated Completion Date: (mm/dd/yyyy)	09/30/2012	

VOLUNTEER INFORMATION

Volunteer Affiliation: (Check all that apply)	VA_FriendsGrp	VA_StudentConsAssoc	VA_Other
Volunteer Involvement: Describe the type of work the volunteers	Volunteers conducted invasive plant surveys and treated invasive plants in high priority habitats on both the Sheldon and Hart Mountain refuges.		

performed. (Up to 150 words)	
Total Number of Volunteers:	7
Total Number of Volunteer Hours:	1,058
Partnerships: List both new and existing partnerships utilized in this project. (Up to 150 words).	Refuge Volunteers (2), Friends of Hart Mountain (1), Student Conservation Association (1),Oregon Dept of Agriculture (3)

PROJECT RESULTS

Project Results: Give an overview of the results of the project. Include quantifiable measure of success, such as maps produced, efficacy of control measures, number of sites where invasions were detected early and responded to, number of community contacts, etc. (Up to 250 words).	Approximately 617 acres of invasive plants were treated and approximately 2,644 acres of high priority habitats were surveyed during 2012. Acres treated exceeded the target objective by over 20 percent. Acres surveyed were less than the target objective by 47 percent because survey work was terminated due to extended high fire danger and refuge closures. Post-treatment surveys in areas treated during 2011 revealed nearly 100 percent control success on target species. Chemical application equipment was maintained and new equipment purchased. GPS units were purchased in support of survey and treatment mapping efforts. Cost for survey and treatment combined was $3.99 per acre.
Number of Acres Treated:	617
Number of Acres Inventoried and/or Mapped:	2,644
Number of Acres Restored:	0

BUDGET INFORMATION

Budget: Account for funds in broad categories such as equipment, volunteer stipends, travel, coordinator salary/contract, etc.

Total Grant Amount:	**$** $13,000

Breakdown of Expenditures:

Category	**Total $ Spent**	**% of Total Grant**
Equipment / Supplies	$2793.45	21.5
Chemical	$5206.55	40.0
Biocontrol Agents		
Travel		
Volunteer Stipends	$5,000	38.5
Volunteer Coordinator Salary/Contract		
Restoration Materials		
Other		
TOTAL	$13,000	100

Recommendations: (OPTIONAL) How useful was this program for meeting refuge invasive species objectives and how can it be improved?	This program is essential for meeting refuge invasive species survey and treatment objectives. Without this program, very little survey and control could be accomplished due to staff and budget limitations. At a cost of nearly $4.00 per acre, the survey and treatment project is highly efficient. Volunteers and this funding program are invaluable for safeguarding refuge wildlife habitats.

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